



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

**Region 2 Laboratory
2890 Woodbridge Avenue
Edison , New Jersey 08837
732-906-6886 Phone
732-906-6165 Fax**

May 01, 2019

Smita Sumbaly
Weston Solutions Inc.
205 Campus Drive
Edison, NJ 08837

RE: Tonawanda Coke - 1904024

Enclosed are the results of analyses for samples received by the laboratory on 04/18/2019. The signature below reflects the laboratory's approval of the reported results. If you have any questions concerning this report, please refer to Project Number 1904024 and contact the laboratory.

Sincerely,

A handwritten signature in black ink, which appears to read "John R. Bourbon", is positioned above the typed name.

John R. Bourbon
Chief, DESA/LB



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
Region 2 Laboratory

Final Report

Project: Tonawanda Coke - 1904024

Project Number: 1904024

Project Narrative:

The National Environmental Laboratory Accreditation Conference Institute (TNI) is a voluntary environmental laboratory accreditation association of State and Federal agencies. TNI established and promoted a National Environmental Laboratory Accreditation Program (NELAP) that provides a uniform set of standards for the generation of environmental data that are of known and defensible quality. The EPA Region 2 Laboratory is NELAP accredited. The Laboratory tests that are accredited have met all the requirements established under the TNI Standards.

Condition Comments

Biochemical Oxygen Demand (BOD) Analysis: Samples 1904024-01 and 1904024-02 exhibited toxicity toward the seed organisms used for BOD. This is demonstrated by increasing BOD values as sample dilution increases. Only the result for the largest sample dilution is being reported instead of the average of all acceptable dilutions; the average is used when the sample does not exhibit toxicity. Since an even higher sample dilution may have produced a higher BOD result, these sample was qualified with an "L" to indicate the result is biased low.

Comment(s):

The "Sample Analysis Date and Time" is included in the results section for any analyte with a prescribed holding time of 72 hours or less.

Data Qualifier(s):

- U- The analyte was not detected at or above the Reporting Limit.
- J- The identification of the analyte is acceptable; the reported value is an estimate.
- K- The identification of the analyte is acceptable; the reported value may be biased high.
- L- The identification of the analyte is acceptable; the reported value may be biased low.
- NJ- There is presumptive evidence that the analyte is present; the analyte is reported as a tentative identification. The reported value is an estimate.

Reporting Limit(s):

The Laboratory was able to achieve the appropriate limits for each analyte requested.



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SUMMARY REPORT FOR SAMPLES

Field ID	Laboratory ID	Matrix	Date Sampled	Date Received
CPD001-M-0419-01	1904024-01	Aqueous	04/17/2019 13:27	04/18/2019 15:15
CPD001-M-0419-02	1904024-02	Aqueous	04/17/2019 13:27	04/18/2019 15:15
OUTFALL001-M-0419-01	1904024-03	Aqueous	04/17/2019 13:38	04/18/2019 15:15
OUTFALL002-M-0419-01	1904024-04	Aqueous	04/16/2019 10:22	04/18/2019 15:15
OUTFALL002-M-0419-02	1904024-05	Aqueous	04/16/2019 10:22	04/18/2019 15:15



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SUMMARY REPORT FOR METHODS

Analysis	Method	Certification	Matrix
Biochemical Oxygen Demand	SM 5210B SOP C-21 Rev 2.6	NELAP	Aqueous
Chemical Oxygen Demand	EPA 410.4 SOP C-53 Rev 2.6	NELAP	Aqueous
Cyanide, Total	EPA 335.4 SOP C-28 Rev 2.6	NELAP	Aqueous
Mercury	EPA 245.1 SOP C-110 Rev 2.6	NELAP	Aqueous
Metals ICP TAL NPDES/DW	EPA 200.7 SOP C-109 Rev 3.5	NELAP	Aqueous
Petroleum Hydrocarbons, Tot.	EPA 1664A SOP C-126 Rev 1.5	NELAP	Aqueous
Phosphorus	EPA 365.1 SOP C-68 Rev 2.6	NELAP	Aqueous
Residue, Non-Filterable	SM 2540D SOP C-33 Rev 3.6	NELAP	Aqueous



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Analyte	Result	Qualifier	Reporting Limit	Units	Date and Time of Analysis*
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Field ID: CPD001-M-0419-01

Sample ID: 1904024-01

GC - Sanitary

Petroleum Hydrocarbons, Tot.	---	U	5.6	mg/L	
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Mercury CVAA

Mercury	2.89		0.0500	ug/L	
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Sanitary

Biochemical Oxygen Demand	520	L	2.0	mg/L	4/19/2019 9:35:00AM
Chemical Oxygen Demand	500		20	mg/L	
Cyanide, Total	1400		100	ug/L	
Phosphorus	0.10		0.050	mg/L	
Residue, Non-Filterable	15		10	mg/L	

Field ID: CPD001-M-0419-02

Sample ID: 1904024-02

Mercury CVAA

Mercury	2.56		0.0500	ug/L	
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Sanitary

Biochemical Oxygen Demand	500	L	2.0	mg/L	4/19/2019 9:35:00AM
Chemical Oxygen Demand	510		20	mg/L	
Cyanide, Total	1500		100	ug/L	
Phosphorus	0.11		0.050	mg/L	
Residue, Non-Filterable	17		10	mg/L	

Field ID: OUTFALL001-M-0419-01

Sample ID: 1904024-03

GC - Sanitary

Petroleum Hydrocarbons, Tot.	---	U	5.9	mg/L	
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Sanitary

Residue, Non-Filterable	25		10	mg/L	
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Field ID: OUTFALL002-M-0419-01

Sample ID: 1904024-04

GC - Sanitary



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Project Number: 1904024

Analyte	Result	Qualifier	Reporting Limit	Units	Date and Time of Analysis*
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Field ID: OUTFALL002-M-0419-01

Sample ID: 1904024-04

GC - Sanitary

Petroleum Hydrocarbons, Tot.

--- U 5.7 mg/L

Metals ICP

Iron

759 50.0 ug/L

Sanitary

Residue, Non-Filterable

--- U 10 mg/L

Field ID: OUTFALL002-M-0419-02

Sample ID: 1904024-05

GC - Sanitary

Petroleum Hydrocarbons, Tot.

--- U 5.4 mg/L

Metals ICP

Iron

702 50.0 ug/L